

Figure 1: Testosterone biosynthetic pathway

CYP17A1

26 865 bp



SNP29: -34T>C	T	C	C	T	C	G	G
SNP04: IVS1 +426G>A	C	T	T				
SNP20: IVS1 +466G>A	C						
SNP06: IVS1 -99C>T	C	T					
SNP07: IVS2 +105A>C	A	C					
SNP22: IVS2 -83C>T	C						
SNP03: IVS5 +75C>G	C	G	G				

	Frequency (all)		Frequency (EA)		Frequency (AA)	
	Controls	Cases	Controls	Cases	Controls	Cases
Hap1	547 (.57)	527 (.60)	494 (.57)	475 (.60)	50 (.66)	47 (.62)
Hap2	259 (.27)	216 (.25)	253 (.29)	208 (.26)	5 (.07)	6 (.08)
Hap3	91 (.09)	86 (.10)	85 (.10)	79 (.10)	3 (.04)	7 (.09)
Hap4 Composite	63 (.07)	51 (.06)	42 (.05)	32 (.04)	18 (.24)	16 (.21)

Figure 2A

CYP3A4

37 073 bp



SNP47: -1232C>T	C	.	.	T	Composite
SNP12: -747C>G	C	G	.	.	
SNP11: -392A>G	A	.	.	G	
SNP01: IVS7 +34T>G	T	.	.	G	
SNP13: IVS7 -202C>T	C	.	T	T	
SNP24: stop +766 delT	T	.	G	G	
SNP25: stop +1454C>T	C	.	.	.	
SNP05: stop +1639A>T	A	.	T	T	
SNP15: stop +2204G>C	G	.	C	C	

	Frequency (all)		Frequency (EA)		Frequency (AA)	
	Controls	Cases	Controls	Cases	Controls	Cases
Hap1	651 (.68)	596 (.68)	629 (.72)	577 (.73)	16 (.21)	13 (.17)
Hap2	65 (.07)	62 (.07)	64 (.07)	59 (.07)	1 (.01)	2 (.03)
Hap3	63 (.07)	64 (.07)	59 (.07)	58 (.07)	4 (.05)	6 (.08)
Hap4	45 (.05)	25 (.03)	34 (.04)	19 (.02)	10 (.13)	5 (.07)
Hap5	136 (.14)	133 (.15)	88 (.10)	81 (.10)	45 (.59)	50 (.66)

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Figure 2B

76 341 bp

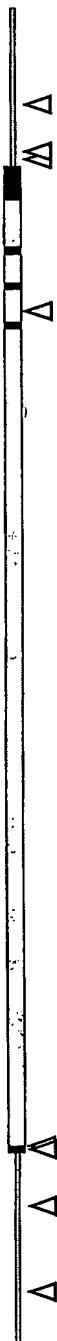
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Figure 2C